SIEMENS

Data sheet 5TJ6110-7



SINOVA, Miniature Circuit Breaker 240/415V 6kA, 1-pole C, 10 A

	General technical data	
design of pole 1P tripping characteristic class C overvoltage category III degree of pollution 2 protection class IP IP20, with connected conductors witching capacity current - • according to EN 60898 rated value 6 6kA power loss [W] 1.8 W • for rated value of the current at AC in hot operating state or maximum 1.8 W product feature silicon-free Yes product feature silicon-free Yes product restries in installable supplementary devices No connectable conductor cross-section solid 1 mm² • minimum 1 mm² • minimum 2 mm² • minimum 2 mm² • minimum 2 Nm • minimum 2 Nm • minimum 4 mm • minimum 4 Nm • minimum 4 Nm • minimum 4 Nm • minimum 4 Nm • minimum 7 Nm • minimum 7 Nm • minimum <t< th=""><th></th><th>1</th></t<>		1
tripping characteristic class C overvoltage category III degree of pollution 2 protection class IP IP20, with connected conductors switching capacity current 6 kA • according to EN 60898 rated value 6 kA power loss IW] I.8 W • for rated value of the current at AC in hot operating state per pole 1.8 W product etaure silicon-free Yes product extension installable supplementary devices No connectable conductor cross-section solid Imm² • minimum 25 mm² • maximum 25 mm² connectable conductor cross-section stranded Imm² • minimum 25 mm² • minimum 2 Nm • maximum 2 Nm • maximum 2 Nm • maximum 4 Nm • minimum 4 Nm • minimum 1 Mm² • mini		
overvoltage category III degree of pollution 2 protection class IP IP20, with connected conductors witching capacity current 6 kA • according to EN 60898 rated value 6 kA power loss [W] 1.8 W • for rated value of the current at AC in hot operating state per pole 1.8 W • maximum 1.8 W product feature silicon-free Yes product extension installable supplementary devices No connectable conductor cross-section solid 1 mm² • minimum 1 mm² • maximum 25 mm² connectable conductor cross-section stranded 1 mm² • minimum 25 mm² inglithening torque with screw-type terminals 2		
degree of pollution 2 protection class IP IP20, with connected conductors switching capacity current 4 • according to EN 60898 rated value 6 kA power loss [W] 1.8 W • for rated value of the current at AC in hot operating state per pole 1.8 W • maximum 1.8 W product feature silicon-free Yes product extension installable supplementary devices No connectable conductor cross-section solid 1 mm² • minimum 25 mm² connectable conductor cross-section stranded 1 mm² • minimum 25 mm² tight-ning torque with screw-type terminals 2 N·m • minimum 2 N·m position of power supply cord Any height 34 mm width 18 mm depth 70 mm installation depth 70 mm number of modular width units 1 fastening method 10 Nr all mounting position any ext wight 30 y ambient temper	· · · · · ·	
protection class IP IP20 with connected conductors switching capacity current 6 kA • according to EN 60898 rated value 6 kA power loss [W] - For rated value of the current at AC in hot operating state per pole 1.8 W • maximum 1.8 W product feature silicon-free Yes product extension installable supplementary devices No connectable conductor cross-section solid - minimum • minimum 1 mm² • maximum 25 mm² connectable conductor cross-section stranded - minimum • minimum 1 mm² • maximum 2 N·m • maximum 2 N·m • maximum 2 N·m position of power supply cord Any height 44 mm depth 76 mm installation depth 1 nm unumber of modular width units 1 fastening method DIN rail mounting position any net uniformum -25 °C • maximum -80 °C • maximu		
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● according to EN 60898 rated value 6 kA power loss [V] 1.8 W ● for rated value of the current at AC in hot operating state per pole 1.8 W ● maximum 1.8 W product feature silicon-free Yes product extension installable supplementary devices No connectable conductor cross-section solid Imm² ● minimum 25 mm² connectable conductor cross-section stranded Imm² ● minimum 2 minimum ● maximum 2 N·m ● maximum 2 N·m ● maximum 2 N·m ● position of power supply cord Any height 44 mm width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 ambient temperature during operation 25 °C • minimum 55 °C • minimum 640 °C • mi	·	IP20, with connected conductors
power loss [W] 1.8 W e for rated value of the current at AC in hot operating state per pole 1.8 W e maximum 1.8 W product feature silicon-free Yes product extension installable supplementary devices No connectable conductor cross-section solid 1 mm² e- minimum 25 mm² connectable conductor cross-section stranded 1 mm² e- minimum 25 mm² e minimum 25 mm² e minimum 2 N·m e minimum 4 Ny e maximum 2 N·m position of power supply cord Any height 34 mm width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method pin year new wight 90 g ambient temperature during operation 25 °C e minimum 25 °C e maximum 40 °C e minimum 40 °C e minimum 640 °C <td></td> <td></td>		
• for rated value of the current at AC in hot operating state per pole • maximum product feature silicon-free product extension installable supplementary devices connectable conductor cross-section solid • minimum • maximum 25 mm² connectable conductor cross-section stranded • minimum • maximum 25 mm² connectable conductor cross-section stranded • minimum • maximum 25 mm² tightening forque with screw-type terminals • minimum • maximum 2 N·m • maximum 2 N·m • maximum 4 N m • maximum 5 N m • mover supply cord Any height 48 mm width depth 76 mm installation depth 70 mm number of modular width units 1 fastening method mounting position any antificial temperature during operation • minimum • maximum 5 °C ambient temperature during storage • minimum • maximum -40 °C • minimum • mini		6 kA
Per Pole • maximum		
product feature silicon-free Yes product extension installable supplementary devices No connectable conductor cross-section solid		
product extension installable supplementary devices connectable conductor cross-section solid	maximum	1.8 W
connectable conductor cross-section solid • minimum • maximum connectable conductor cross-section stranded • minimum • maximum 1 mm² 25 mm² connectable conductor cross-section stranded • minimum • maximum 1 mm² 25 mm² 25 mm² tightening torque with screw-type terminals • minimum • maximum 2 N·m • maximum 2 N·m position of power supply cord Any height 34 mm width 18 mm depth installation depth ron mm installation depth number of modular width units 1 fastening method DIN rail mounting position net weight • minimum • minimum • minimum • minimum • maximum 55 °C ambient temperature during storage • minimum • maximum - 40 °C rmaximum - 75 °C	product feature silicon-free	Yes
• minimum 1 mm² • maximum 25 mm² connectable conductor cross-section stranded Imm² • minimum 1 mm² • maximum 25 mm² tightening torque with screw-type terminals Imm² • minimum 2 N·m • maximum 2 N·m position of power supply cord Any height 84 mm width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation -25 °C • minimum -25 °C • maximum 55 °C ambient temperature during storage - minimum • minimum - 40 °C • minimum - 40 °C • minimum - 75 °C	product extension installable supplementary devices	No
● maximum 25 mm² connectable conductor cross-section stranded 1 mm² ● minimum 1 mm² ● maximum 25 mm² tightening torque with screw-type terminals - minimum ● minimum 2 N·m ● maximum 2 N·m position of power supply cord Any height 84 mm width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation - pinimum • minimum -25 °C • maximum 55 °C ambient temperature during storage • minimum • minimum -40 °C • maximum -40 °C • maximum -40 °C • maximum -40 °C	connectable conductor cross-section solid	
connectable conductor cross-section stranded 1 mm² • minimum 25 mm² tightening torque with screw-type terminals 2 N·m • minimum 2 N·m • maximum 2 N·m position of power supply cord Any height 84 mm width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation -25 °C • maximum -25 °C ambient temperature during storage - minimum • minimum -40 °C • maximum -40 °C • maximum -75 °C	• minimum	1 mm²
● minimum 1 mm² ● maximum 25 mm² tightening torque with screw-type terminals 2 N·m ● minimum 2 N·m ● maximum 2 N·m position of power supply cord Any height 84 mm width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation -25 °C • minimum -25 °C • maximum 55 °C ambient temperature during storage • minimum • minimum -40 °C • maximum -40 °C • maximum -40 °C • maximum -50 °C	maximum	25 mm²
● maximum 25 mm² tightening torque with screw-type terminals 2 N·m ● minimum 2 N·m ● maximum 2 N·m position of power supply cord Any height 84 mm width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation -25 °C • minimum -25 °C • maximum 55 °C ambient temperature during storage - minimum • minimum -40 °C • maximum 75 °C	connectable conductor cross-section stranded	
tightening torque with screw-type terminals	• minimum	1 mm²
● minimum 2 N·m ● maximum 2 N·m position of power supply cord Any height 84 mm width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation -25 °C • maximum 55 °C ambient temperature during storage -40 °C • minimum -40 °C • maximum 75 °C	• maximum	25 mm²
● maximum 2 N·m position of power supply cord Any height 84 mm width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation -25 °C • maximum 55 °C ambient temperature during storage -40 °C • minimum -40 °C • maximum 75 °C	tightening torque with screw-type terminals	
position of power supply cord height 84 mm width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation • minimum • maximum 55 °C ambient temperature during storage • minimum • minimum -40 °C • maximum 75 °C	• minimum	2 N·m
height 84 mm width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation	• maximum	2 N·m
width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation	position of power supply cord	Any
depth 76 mm installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation	height	84 mm
installation depth 70 mm number of modular width units 1 fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation • minimum -25 °C • maximum 555 °C ambient temperature during storage • minimum -40 °C • maximum 75 °C	width	18 mm
number of modular width units fastening method DIN rail mounting position any net weight 90 g ambient temperature during operation • minimum • maximum 55 °C ambient temperature during storage • minimum • minimum 7-25 °C -40 °C 75 °C	depth	76 mm
fastening method mounting position net weight ominimum ominimum omaximum ominimum ominimu	installation depth	70 mm
mounting position any net weight 90 g ambient temperature during operation • minimum -25 °C • maximum 555 °C ambient temperature during storage • minimum -40 °C • maximum 75 °C	number of modular width units	1
mounting position any net weight 90 g ambient temperature during operation • minimum -25 °C • maximum 55 °C ambient temperature during storage • minimum -40 °C • maximum 75 °C	fastening method	DIN rail
net weight ambient temperature during operation in minimum maximum 55°C ambient temperature during storage minimum maximum -40°C 75°C	-	any
ambient temperature during operation • minimum • maximum 55 °C ambient temperature during storage • minimum • maximum -40 °C • maximum 75 °C		·
 minimum -25 °C maximum 55 °C ambient temperature during storage minimum maximum -40 °C maximum 75 °C 		
ambient temperature during storage		-25 °C
 minimum maximum -40 °C 75 °C 	maximum	55 °C
 minimum maximum -40 °C 75 °C 	ambient temperature during storage	
• maximum 75 °C		-40 °C
		75 °C

- according to EN 61346-2
- according to IEC 81346-2

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Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5TJ6110-7

 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

https://support.industry.siemens.com/cs/ww/en/ps/5TJ6110-7

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

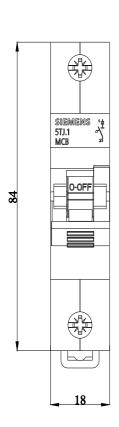
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TJ6110-7

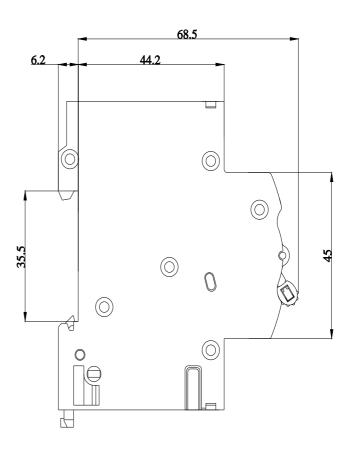
CAx-Online-Generator

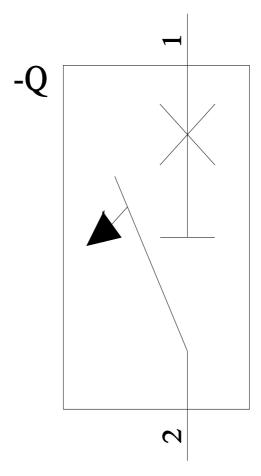
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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